

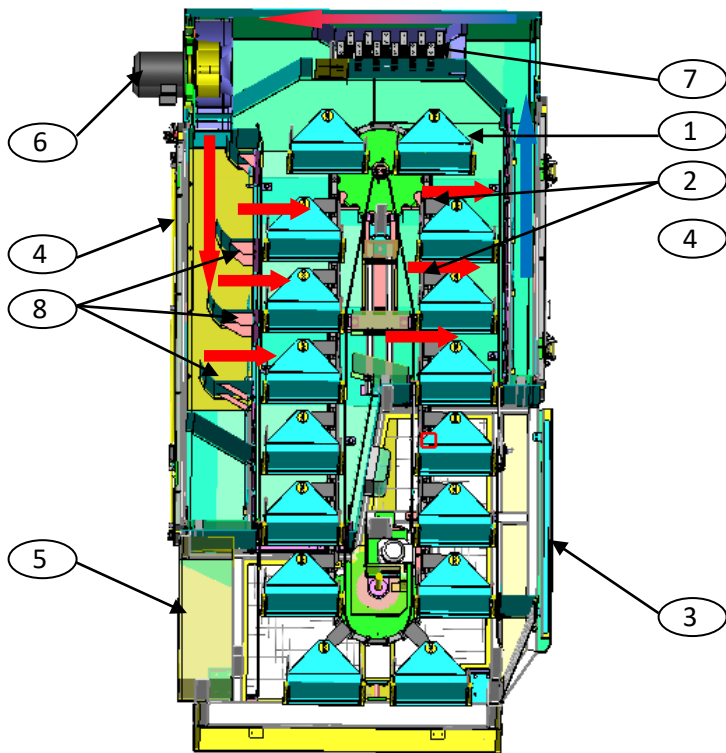
Description of Elmetherm Swing tray or Paternoster oven for automotive lights:

This system provides a compact solution to stabilize stress of plastic lights after injection process, ideal for lean manufacturing.

1- Mechanical Specifications:

Description of the equipment:

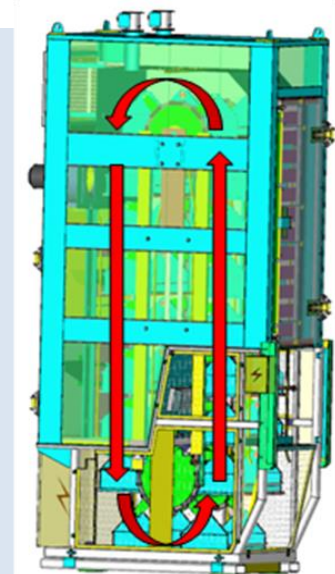
- The conveying system is composed of 16 swing seats (2 parts/swing seat)
- Swing seats (1) are driven by a system gearmotor/sprocket/handling chain. They are fixed on chain plates (2) allowing avoiding collision.
- Loading and unloading of parts is done on the lower part of the oven and is protected by safety light curtains (3)
- Two doors (4) allow the maintenance of the oven
- The electrical cabinet (5) integrates the oven to reduce the overall dimensions



2- Thermal Specifications:

Description of the equipment:

- Parts are heated by air convection (see flow picture above)
- Only the upper part of the oven is heated, the lower part is assigned to the Loading/unloading
- The air convection heating is assured by a recirculation blower (6), Electrical heating elements (7) as well as an exhaust blower
- Parts are heated at 180°F at a rate of 150 per hour
- Deflectors (8) allow to have a good repartition of the blown air



Elmetherm

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